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#### SUBSTITUTE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS AND F	REAGENTS FOR DECREASIN	NG CLINICAL REACTION TO ALLERGY	
he specification of which (check one)			
	is attached l	hereto	
	X was filed o	n <u>August 27, 1998</u>	
	as application	on Serial No. <u>09/141,220</u>	
	and was am	ended on:	
	and was and	(if applicable)	
I hereby state that I have revie amended by any amendment referred to		s of the above-identified specification, includi	ng the claims, as
I acknowledge the duty to disc Fitle 37, Code of Federal Regulations,		rial to the patentability of this application in ac	ccordance with
I hereby claim foreign priority inventor's certificate listed below and had filing date before that of the application	ave also identified below any fo	States Code, § 119 of any foreign application oreign application for patent or inventor's certi	(s) for patent or ficate having a
			Priority
Prior Foreign Application(s)			Claimed
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	
I hereby claim the benefit und below:	er Title 35, United States Code	§ 119(c) of any United States provisional appl	lication(s) listed
Provisional Application Number	Filing Date		
60/074,590	February 13, 1998		
(Number)	(Day/Month/Year Filed)		
60/074,624	February 13, 1998		
(Number)	(Day/Month/Year Filed)		
60/074,633	February 13, 1998		
(Number)	(Day/Month/Year Filed)		
60/073,283	January 31, 1998	(via 09/240,557, filed January 29, 1999 or	
(Number)	(Day/Month/Year Filed)	09/241,101, filed January 29, 1999 or	
•		09/248,673, filed February 11, 1999)	

ł

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US96/15222 (Application Serial No.)	September 23, 1996 (Filing Date)	Pending Status (patented, pending, abandoned)
08/717,933 (Application Serial No.)	September 23, 1996 (Filing Date)	Pending Status (patented, pending, abandoned)

As named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Patrea L. Pabst 31,284 Robert A. Hodges 41,074 Kevin W. King 42,737

Send Correspondence to:

Patrea L. Pabst, Esq.

ARNALL GOLDEN & GREGORY LLP

2800 One Atlantic Center 1201 W. Peachtree Street Atlanta, GA 30309-3450

Direct telephone calls to:

Patrea L. Pabst (404) 873-8794

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Gary A. Bannon	Date 06 - 24-99
Full name of sole or first inventor Gary A. Bannon Inventor's signature Pary A. Bannon Residence 714 St. Michael Place, Little Rock, Arkansas 72211	Date_00 0 1 17
Citizenship United States of America.	
Post Office Address 714 St. Michael Place, Little Rock, Arkansas 72211	

Full name of second inventor A. Wesley Burks Jr.	
Inventor's signature	Date 4 49
Residence 2400 North Pierce, Little Rock, Arkansas 72207	
Citizenship United States of America	
Post Office Address 2400 North Pierce, Little Rock, Arkansas 72207	
Full name of third inventor Hugh A. Sampson	
Inventor's signature	Date
Residence 19 Carleon Avenue, Larchmont, New York 10538	
Citizenship United States of America	
Post Office Address 19 Carleon Avenue, Larchmont, New York 10538	····
Full name of fourth inventor Howard B. Sosin	
Inventor's signature	Date
Residence 640 Sasco Hill Road, Fairfield, Connecticut 06430	
Citizenship United States of America.	
Post Office Address 640 Sasco Hill Road, Fairfield, Connecticut 06430	

Full name of second inventor A. Wesley Burks Jr.	
Inventor's signature	Date
Residence 2400 North Pierce, Little Rock, Arkansas 72207	
Citizenship United States of America	
Post Office Address 2400 North Pierce, Little Rock, Arkansas 72207	
Full name of third inventor Hugh A. Sampson  Inventor's signature  Residence 19 Carleon Avenue, Larchmont, New York 10538  Citizenskin United States of America	Date_ 8/23/49
Post Office Address 19 Carleon Avenue, Larchmont, New York 10538	
200 Office / total con / tvoide   Date and one 100 100 100 100 100 100 100 100 100 10	
Full name of fourth inventor Howard B. Sosin	
Inventor's signature	Date
Residence 640 Sasco Hill Road, Fairfield, Connecticut 06430	
Citizenship United States of America.	
Post Office Address 640 Sasco Hill Road, Fairfield, Connecticut 06430	

AGG

Full name of second inventor A. Wesley Burks Jr.	
Inventor's signature	Date
Residence 2400 North Pierce, Little Rock, Arkansas 72207	
Citizenship United States of America	
Post Office Address 2400 North Pierce, Little Rock, Arkansas 72207	
Full name of third inventor Hugh A. Sampson	
Inventor's signature	Date
Residence 19 Carleon Avenue, Larchmont, New York 10538	
Citizenship United States of America	
Post Office Address 19 Carleon Avenue, Larchmont, New York 10538	
Full name of fourth inventor Howard/B. Sosin	
Inventor's signature Al 136 June 49	Date
Residence 640 Sasco Hill Road, Fairfield, Connecticut 06430	
Citizenship United States of America.	
Post Office Address 640 Sasco Hill Road, Fairfield, Connecticut 06430	

STATEMENT UNDER 37 CFR 3.73(b)	
Applicant/Patent Owner: Gary A. Bannon, A. Wesley Burks, Jr., Hugh A. Sampson, and Howard B. Sosin	
Application No./Patent No.: 09/141,220 Filed/Issue Date: August 27, 1998	2/90
Entitled: METHODS AND REAGENTS FOR DECREASING CLINICAL REACTION TO ALLERGY	01/
University of Arkansas , a University	==
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)	)
states that it is:	
1. the assignee of the entire right, title, and interest; or	
2. X an assignee of an undivided part interest	
in the patent application/patent identified above by virtue of either:	
A. [x] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in	in the
Patent and Trademark Office at Reel $010065$ , Frame $0008$ , or for which a copy thereof is attached.	
OR	
B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown b	elow:
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From: To:  The document was recorded in the Patent and Trademark Office at	
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[ ] Additional documents in the chain of title are listed on a supplemental sheet.	
[ ] Copies of assignments or other documents in the chain of title are attached.  [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document)	
must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]	
The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.	
Date Signature	
Date Signature	
Mr. Harold J. Evans Assoc. V.P. For Legal Affairs	
University of Arkansas	
Title	

PTO/SB/96 (6-98)

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STATEMENT UNDER 37 CFR 3.73(b)			
Applicant/PatentOwner: Gary A. Bannon, A. Wesley Burks, Jr., Hugh A. Sampson, and Howard B. Sosin			
Application No./Patent No.: 09/141,220 Filed/Issue Date: August 27, 1998			
Entitled: METHODS AND REAGENTS FOR DECREASING CLINICAL REACTION TO ALLERGY			
Panacea Pharmaceuticals, LLC a Limited Liability Company			
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)			
states that it is:			
1.  the assignee of the entire right, title, and interest; or			
2. X an assignee of an undivided part interest			
in the patent application/patent identified above by virtue of either.			
A. [x] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 010190, Frame 0516, or for which a copy thereof is attached.			
OR			
B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:			
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2. From: To:			
The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.			
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The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.			
[ ] Additional documents in the chain of title are listed on a supplemental sheet.			
[ ] Copies of assignments or other documents in the chain of title are attached.  [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document)  must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]			
The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.			
November 2, 1999			
Date Signature Howard B. Sosin			
Typed or printed name			
<u> </u>			
Tido			

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STATEMENT UNDER 37 CFR 3.73(b)
Applicant/Patent Owner: Gary A. Bannon, A. Wesley Burks, Jr., Hugh A. Sampson, and Howard B. Sosin
Application No./Patent No.: 09/141,220 Filed/Issue Date: August 27, 1998
Entitled: METHODS AND REAGENTS FOR DECREASING CLINICAL REACTION TO ALLERGY
Mt. Sinai School of Medicine of the City University of New York a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is:
the assignee of the entire right, title, and interest; or
2. X an assignee of an undivided part interest
in the patent application/patent identified above by virtue of either:
A. [x] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the
Patent and Trademark Office at Reel <u>009539</u> , Frame <u>0550</u> , or for which a copy thereof is attached.
OR
B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
From: To:  The document was recorded in the Patent and Trademark Office at  Reel, Frame, or for which a copy thereof is attached.
2. From: To:
The document was recorded in the Patent and Trademark Office at  Reel, Frame, or for which a copy thereof is attached.
3. From: To:
The document was recorded in the Patent and Trademark Office at  Reel, Frame, or for which a copy thereof is attached.
Additional documents in the chain of title are listed on a supplemental sheet.
[ ] Copies of assignments or other documents in the chain of title are attached.  [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]
The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.
November 18th, 1999  Date  Movember 18th, 1999  Signature
W. Patrick McGrath, Ph.D.
Typed or printed name
Director, Office of Industrial Liasion Title





PTO/SB/11 (12-97)

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#### STATEMENT CLAIMING SMALL ENTITY STATUS 127 CED 4 0/6 8 4 27/4\\ NONDDOETT ODGANIZATION

Docket Number (Optional)

(37 CFK 1.5(1) & 1.27(d))NONFROFTI ORGANIZATIO	/IV	HS 102
Applicant, Patentee, or Identifier: Gary A. Bannon, A. Wesley I	Burks, Jr., Hugh A. Sampson, a	nd Howard B. Sosin
Application or Patent No.: 09/141,220		
Filed or Issued: August 27, 1998	DECEMBER OF LO	
Title: METHODS AND REAGENTS FOI	RDECREASING	
CLINICAL REACTION TO ALLE I hereby state that I am an official empowered to act on behalf NAME OF NONPROFIT ORGANIZATION The University	スG Y of the nonprofit organization id sity of Arkansas	entified below:
ADDRESS OF NONPROFIT ORGANIZATION 2404 North		
	Arkansas 72207-3608	
TYPE OF NONPROFIT ORGANIZATION:  I UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDU	CATION	
☐ TAX EXEMPT UNDER INTERNAL REVENUE SERVICE C	ODE (26 U.S.C. 501(a) and 50	1(c)(3))
NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER ST	TATUTE OF STATE OF THE UN	NITED STATES OF AMERICA
(NAME OF STATE (CITATION OF STATUTE		<u> </u>
☐ WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL FIF LOCATED IN THE UNITED STATES OF AMERICA		
☐ WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDL STATES OF AMERICA IF LOCATED IN THE UNITED (NAME OF STATE (CITATION OF STATUTE	STATES OF AMERICA	OF STATE OF THE UNITED
I hereby state that the nonprofit organization identified about 1.9(e) for purposes of paying reduced fees to the United States Pain:	ve qualifies as a nonprofit orga	nization as defined in 37 CFR arding the invention described
the specification filed herewith with title as listed above. the application identified above. the patent identified above.		
I hereby state that rights under contract or law have bee regarding the above identified invention. If the rights held by the concern, or organization having rights in the invention must file that no rights to the invention are held by any person, other than the under 37CFR 1.9(c) if that person made the invention, or by any under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR	ne nonprofit organization are r separate statements as to the ne inventor, who would not qual concern which would not qualif	not exclusive, each individual, ir status as small entities and ifv as an independent inventor
Each person, concern, or organization having any rights i	n the invention is listed below:	
no such person, concern, or organization exists.  each such person, concern, or organization is listed be		
Mt. Sinai School of Medicine of the City University of New New York, NY 10029-6574; Panacea Pharmaceuticals, Lacknowledge the duty to file, in this application or pate entitlement to small entity status prior to paying, or at the time of due after the date on which status as a small entity is no longer	LC, 640 Sasco Hill Road, Fairl nt, notification of any change paying, the earliest of the issu	field, Connecticut 06430 in status resulting in loss of the fee or any maintenanctee
	Mr. Harold J. Evans	
NAME OF PERSON SIGNING	Assoc. V.P. For Legal Af	fairs
	University of Arkansas	
TITLE IN ORGANIZATION OF PERSON SIGNING	2404 North University Av	enue
ADDRESS OF PERSON SIGNING	Little Rock, AR 72207	
ADDRESS OF PERSON SIGNING	_ DATENivanta	4 1999
i U		

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STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(c))SMALL BUSINESS CONCERN	Docket Number (Optional) HS 102
Gary A. Bannon, A. Wesley Burks, Jr.,  Applicant, Patentee, or Identifier: Hugh A. Sampson, and Howard B. Sosin	8.8.8 8.6.8 P
Application or Patent No.: 09/141,220  Filed or Issued: August 27, 1998  Title: METHODS AND REAGENTS FOR DECREASING	747
Title: METHODS AND REAGENTS FOR DECREASING CLINICAL REACTION TO ALLERGY I hereby state that I am	700
the owner of the small business concern identified below: an official of the small business concern empowered to act on behalf of the concern	n identified below:
NAME OF SMALL BUSINESS CONCERN Panacea Pharmaceuticals, LI	LC
ADDRESS OF SMALL BUSINESS CONCERN 640 Sasco Hill Road Fairfield, Connecticut 06430	
I hereby state that the above identified small business concern qualifies as a small bus 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Tradem to size standards for a small business concern may be directed to: Small Business Adminis 409 Third Street, SW, Washington, DC 20416.  I hereby state that rights under contract or law have been conveyed to and remain with	nark Office. Questions related stration, Size Standards Staff,
identified above with regard to the invention described in:	
<ul> <li>the specification filed herewith with title as listed above.</li> <li>the application identified above.</li> <li>the patent identified above.</li> </ul>	
If the rights held by the above identified small business concern are not exclusive, organization having rights in the invention must file separate statements as to their status as to the invention are held by any person, other than the inventor, who would not qualify as an 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).	s small entities, and no rights independent inventor under
Each person, concern, or organization having any rights in the invention is listed below  □ no such person, concern, or organization exists. The University of Arkansas, 2404 North U ■ each such person, concern, or organization is listed below.  72207-3608; Mt. Sinai School of Medicine of the City University of New York, One Gustave Levy Place, N Separate statements are required from each named person, concern or organization h stating their status as small entities. (37 CFR 1.27)	Jniversity Avenue, Little Rock, AF New York, New York 10029-6574
I acknowledge the duty to file, in this application or patent, notification of any change entitlement to small entity status prior to paying, or at the time of paying, the earliest of the is fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1	ssue fee or any maintenance
NAME OF PERSON SIGNING Howard B. Sosin	
TITLE OF PERSON IF OTHER THAN OWNER	
ADDRESS OF PERSON SIGNING 640 Sasco Hill Road, Fairf	field, CT 06430

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# STATEMENT CLAIMING SMALL ENTITY STATUS

Docket Number (Optional)

(37 CFR 1.9(f) & 1.27(d))NONPROFIT ORGANIZATION	HS 102
Applicant, Patentee, or Identifier: Gary A. Bannon, A. Wesley Burks, Jr., Hugh A. Sampson, Application or Patent No.: 09/141,220  Filed or Issued: August 27, 1998	and Howard B. Sosin
Title: METHODS AND REAGENTS FOR DECREASING CLINICAL REACTION	TO ALLERGY 5
I hereby state that I am an official empowered to act on behalf of the nonprofit organization in NAME OF NONPROFIT ORGANIZATION Mt. Sinai School of Medicine of the City ADDRESS OF NONPROFIT ORGANIZATION One Gustave Levy Place New York, New York 10029-6574	University of New York
TYPE OF NONPROFIT ORGANIZATION:  I UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION	
TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 U.S.C. 501(a) and 50	01(c)(3))
NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UI (NAME OF STATE (CITATION OF STATUTE	NITED STATES OF AMERICA ) )
☐ WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (20 IF LOCATED IN THE UNITED STATES OF AMERICA	6 U.S.C. 501(a) and 501(c)(3))
□ WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTION     STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA     (NAME OF STATE	E OF STATE OF THE UNITED))
I hereby state that the nonprofit organization identified above qualifies as a nonprofit organization identified above qualifies as a nonprofit organization of purposes of paying reduced fees to the United States Patent and Trademark Office regin:	anization as defined in 37 CFR parding the invention described
the specification filed herewith with title as listed above. the application identified above. the patent identified above.	
I hereby state that rights under contract or law have been conveyed to and remain w regarding the above identified invention. If the rights held by the nonprofit organization are concern, or organization having rights in the invention must file separate statements as to the that no rights to the invention are held by any person, other than the inventor, who would not quaunder 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualit under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).	not exclusive, each individual, eir status as small entities and lifv as an independent inventor
Each person, concern, or organization having any rights in the invention is listed below	r.
no such person, concern, or organization exists.  each such person, concern, or organization is listed below.  The University of Arkansas, 2404 North University Avenue, Little Rock, Ark  Panacea Pharmaceuticals, LLC, 640 Sasco Hill Road, Fairfield, Connecticut of acknowledge the duty to file, in this application or patent, notification of any change entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))	06430 e in status resulting in loss of ue fee or any maintenanœe
NAME OF PERSON SIGNING W. Patrick McGrath, Ph.D.	
TITLE IN ORGANIZATION OF PERSON SIGNING Director, Office of Indu	
ADDRESS OF PERSON SIGNING! Quetave L. Levy Place, Box 1675,	
SIGNATURE // Gallich Willemann DATE November 18	, 1999
V U	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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SEPTEMBER 21, 1999

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RECORDATION DATE: 04/23/1999

REEL/FRAME: 010065/0008

NUMBER OF PAGES: 5

BRIEF:

CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE ADDRESS, FILED ON

10-22-98 RECORDED ON REEL 9539, FRAME 0559 ASSIGNOR HEREBY

CONFIRMS THE ASSIGNMENT OF THE ENTIRE INTEREST

ASSIGNOR:

BURKS, A WESLEY, JR.

DOC DATE: 09/14/1998

ASSIGNOR:

BANNON, GARY A.

DOC DATE: 09/14/1998

ASSIGNEE:

ARKANSAS, UNIVERSITY OF 2404 NORTH UNIVERSITY AVENUE LITTLE ROCK, ARKANSAS 72207-3608

SERIAL NUMBER: 09141220 PATENT NUMBER:

FILING DATE: 08/27/1998

ISSUE DATE:

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DOCKETED FOR HS ID2 DATE 10-1-99

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09-21-1999



LS. Department of Commerce stent and Trademark Office PATENT

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Submission	11ype 4-33-99	Conveyance Type	·			
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Resubm Docume	ssion (Non-Recordation) nt ID#	License ,	.Change of Nam	<b>e</b>		
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X Reel #	ve Document 9539		only by U.S. Government /	lgencies)  Secret File		
Conveying		Mark if additional ru	umes of conveying parties	sattached Execution Date		
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Name (line 2)	TO THE PART OF THE	· · · · · · · · · · · · · · · · · · ·		09141888		
Second Party	<u> </u>		<u> </u>	Execution Date		
Name (line 1)	Bannon, Gary A.	<u> </u>		Month Day Year 09141998		
Name (line 2)		1 i wei	A W BAIORDRAIL MARKING OF TH			
Receiving P	arty	Mart	k if additional names of re	sceiving parties attached		
Name (time 1)	University of Arkans	sas		If document to be recorded is an assignment and the		
Name (Fine 2)		484		receiving party is not domicited in the United States, an appointment		
Address (Ree 1)	2404 North University	ty Avenue		of a domestic representative is attached. (Designation must be a		
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Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

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To the best of my knowledge and belief, the foregoing information is true and correct and any

attached copy is a true copy of the original document. Charges to deposit account are authorized, as

Signature

Statement and Signature

indicated herein.

Name of Person Signing

Patrea L. Pabst

HS102 11008/6

Yes

Correspondent Name	e and Address	Area Code and Yaiophoon Burnbar	404 873 8794		
Name	Patrea L. Pabst, Esq.				
Alfress fine 1)	ARNALL GOLDEN & GREG	GORY, LLP			
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Address Sine 31	1201 West Peachtree Street				
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Statement and Sign	v <sup>‡</sup>				

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Patres L. Pabet

Name of Person Signing

HS 102 11008/6

October 19, 1998

Date

#### **ASSIGNMENT**

We, A. Wesley Burks Jr., of 2400 North Pierce, Little Rock, Arkansas 72207, and Gary A. Bannon of 714 St. Michael Place, Little Rock, Arkansas 72211, in consideration of Ten Dollars and other valuable consideration paid to us by the University of Arkansas, a public institution of higher education of the state of Arkansas, having its principal place of business at 2404 North University Avenue, Little Rock, Arkansas 72207-3608, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said University of Arkansas, its successors and assigns, the entire interest for the United States of America and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in "METHODS AND REAGENTS FOR DECREASING CLINICAL REACTION TO ALLERGY" described in U.S. Patent Application Serial No. 09/141,220, filed August 27, 1998, by Gary A. Bannon, A. Wesiey Burks Jr., Hugh A. Sampson, and Howard Sosin, in the United States Patent and Trademark Office, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuation, continuation-in-part, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said institution and its successors and assigns but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other forcign countries and jurisdictions to said institution, with specifications and claims in such form as shall be approved by the counsel of said institution and to vest and confirm in said institution, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said institution, its successors and assigns.

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U.S.S.N.: 09/141,220
Filed: August 27, 1998
Assignment

WITNESS my hand and seal this 14th day of September, 1998

Gary A. Bannon

State of Arkansas )
County of Pulaski )ss.

Then personally appeared the above named Gary A. Bannon and acknowledged the foregoing instrument to be his free act and deed, before me, this 14th ay of September, 1998.

Notary Public - Iya G. McKinnie

4-1-2000

589815.1

My Commission expires \_

HS 102 11008/6

U.S.S.N.: 09/141,220 Filed: August 27, 1998

Assignment

WITNESS my hand and seal this 14th day of September

A. W. S. J.

State of Arkansas

County of Pulaski

)ss.

Then personally appeared the above named A. Wesley Burks, Jr. and acknowledged the foregoing instrument to be his free act and deed, before me, this 14thay of September, 1998.

4-1-2000 My Commission expires

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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Gary A. Bannon, A. Wesley Burks, Hugh Sampson, and Howard Sosin

Serial No.:

09/141,220

Group Art Unit:

1641

Filed:

, AUU

August 27, 1998

Examiner:

Pelley, R.

For:

METHODS AND REAGENTS FOR DECREASING CLINICAL

REACTION TO ALLERGY

U.S. Patent and Trademark Office Assignment Division Box Assignments, CG-4 1213 Jefferson Davis Highway Suite 310 Washington, D.C. 20231

0/0065 0008

#### REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT -- APPLICANTS' ERROR

Sir:

Applicants respectfully request a corrected Notice of Recordation of the Assignment recorded October 22, 1998, at Reel 9539, Frame 0559, in the above-identified application. Through the undersigned's error, an incorrect abbreviation for the state location of assignee was

inserted on Form PTO-1619A. The correct state abbreviation is AR, for Arkansas.

To facilitate this request, applicants enclose a corrected Notice of Recordation, Form PTO-1619A, a copy of the Assignment, and a check in the amount of \$40.00 for the recordation fee.

Applicants believe no additional fees are due at this time. However, the Commissioner is authorized to credit any overpayment or charge any other fees due in connection with this matter

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U.S.S.N.: 09/141,220
Filed: August 27, 1998
REQUEST FOR CORRECTED NOTICE OF RECORDATION
OF ASSIGNMENT --- APPLICANTS' ERROR

to Deposit Order Account No. 01-2507. A duplicate of this transmittal is enclosed to facilitate this process.

Respectfully submitted,

Patrea L. Pabst Reg. No. 31,284

Date: April 20, 1999

ARNALL GOLDEN & GREGORY, LLP 2800 One Atlantic Center 1201 West Peachtree Street Atlanta, Georgia 30309-3450 404/873-8794 404/873-8795 (fax) - US/IU/ISSS I.TS. PAGE IS/IO - RIGHLIAA

U.S.S.N.: 09/141,220
Filed: August 27, 1998
REQUEST FOR CORRECTED NOTICE OF RECORDATION
OF ASSIGNMENT --- APPLICANTS' ERROR

#### CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this Request for Corrected Notice of Recordation of Assignment --Applicants' Error, together with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date shown below with sufficient postage as first-class mail in an envelope addressed to U.S. Patent & Trademark Office, Assignment Division, Box Assignments, CG-4, 1213 Jefferson Davis Highway, Suite 310, Washington, D.C. 20231.

Teresa R. Spratt

Date: April 20, 1999

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HS 102 11008/6



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

OCTOBER 27, 1999

PTAS

ARNELL GOLDEN & GREGORY, LLP PATREA L. PABST, ESQ. 1201 WEST PEACHTREE STREET 2800 ONE ATLANTIC CENTER ATLANTA, GA 30309-3450



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/26/1999

REEL/FRAME: 010190/0516

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SOSIN, HOWARD

DOC DATE: 07/12/1999

ASSIGNEE:

PANACEA PHARMACEUTICALS, LLC 640 SASCO HILL ROAD FAIRFIELD, CONNECTICUT 06430

SERIAL NUMBER: 09141220

PATENT NUMBER:

FILING DATE: 08/27/1998

ISSUE DATE:

KIMBERLY WHITE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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NOV 1 6 1999

PATENT DEPT

08-27-1999 **U.S. Department of Commerce** FORM PTO-1619A **Patent and Trademark Office** PATENT OMB 0651-0027 101128729 **RECORDATION FORM COVER SHEET** AUG 26 8.26.99 PATENTS ONLY TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies) **Submission Type** Conveyance Type **Assignment Security Agreement** X New **Resubmission (Non-Recordation)** License Change of Name Document ID# Correction of PTO Error Other Merger Reel # Frame # U.S. Government (For Use ONLY by U.S. Government Agencies) **Corrective Document** Reel # Frame # Departmental File Secret File Conveying Party(ies) Mark if additional names of conveying parties attached **Execution Date** Month Day Year Name (line 1) 07121999 Sosin, Howard Name (line 2) Execution Date Month Day Year Second Party Name (line 1) Name (line 2) Receiving Party Mark if additional names of receiving parties attached If document to be recorded Panacea Pharmaceuticals, LLC Name (line 1) is an assignment and the receiving party is not domiciled in the United Name (line 2) States, an appointment of a domestic representative is attached. Address (line 1) 640 Sasco Hill Road (Designation must be a separate document from Address (line 2) Assignment.) 06430 Address (line 3) Fairfield Connecticut Zip Code **Domestic Representative Name and Address** Enter for the first Receiving Party only. Name Address (line 1) Address (line 2) Address (line 3) Address (line 4)

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

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FORM PTO Expires 06/30/99 OMB 0651-0027	-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Corresponde	ent Name and Address	Area Code and Telephone Number	(404) 873-8794
' Name [	Patrea L. Pabst, Esq.		
Address (line 1)	Arnall Golden & Gregor	y, LLP	
Address (line 2)	2800 One Atlantic Cente	r	
Address (line 3)	1201 West Peachtree Str	eet	
Address (line 4)	Atlanta, GA 30309-3450	)	
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Signature

Patrea L. Pabst

Name of Person Signing Reg. No.: 31,284

#### **ASSIGNMENT**

I, Howard Sosin of 640 Sasco Hill Road, Fairfield, CT 06430, in consideration of Ten Dollars and other valuable consideration paid to me by Panacea Pharmaceuticals, LLC, a Delaware limited liability company, having its principal place of business at 640 Sasco Hill Road, Fairfield, CT 06430, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Panacea Pharmaceuticals, LLC, its successors and assigns, the entire interest for the United States of America and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in "METHODS AND REAGENTS FOR DECREASING CLINICAL REACTION TO ALLERGY" described in U.S. Patent Application Serial No. 09/141,220, filed August 27, 1998, by Gary A. Bannon, A. Wesley Burks Jr., Hugh A. Sampson, and Howard Sosin, in the United States Patent and Trademark Office, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuation, continuationin-part, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

based thereon to said corporation, its successors and assigns.
WITNESS my hand and seal this $12^{11}$ day of $12^{11}$ , 1999.
Howard Sosin
State of Connecticut  County of Fairfield ss.
Then personally appeared the above named Howard Sosin and acknowledged the foregoing instrument to be his free act and deed, before me, this \( \frac{12 \text{ M}}{2} \) day of \( \frac{12 \text{ M}}{2} \).
Winther Oll assemble. Notary Public
My Commission expires $\frac{5/31/01}{}$



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

AUGUST 11, 1999

PTAS

ARNALL GOLDEN & GREGORY, LLP PATREA L. PABST, ESQ. 2800 ONE ATLANTIC CENTER 1201 WEST PEACHTREE STREET ATLANTA, GA 30309-3450



CORRECTED NOTICE

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/22/1998

REEL/FRAME: 009539/0550

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SAMPSON, HUGH A.

DOC DATE: 09/16/1998

**ASSIGNEE:** 

MT. SINAI SCHOOL OF MEDICINE OF THE CITY UNIVERSITY OF NY ONE GUSTAVE LEVY PLACE NEW YORK, NEW YORK 10029-6574

SERIAL NUMBER: 09141220

PATENT NUMBER:

FILING DATE: 08/27/1998

ISSUE DATE:

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PATENT DEPT.

SEDLEY PYNE, PARALEGAL ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

DOCKETED FOR 1/3/102 BY JSH DATE 8:26:99

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Affairs, Office of Management and Budget, Paper mark Auditorian Project (DEST 0027), Washington, D.C., 20/07, Son OMB Information Collection Budget Parkage 4651-0027, Parent and Federack Assignment Practice, DO NOT SEVO REQUESTS TO RECORD ASSISTANCEST DOCUMENTS TO THIS ADDRESS.

Correspondent Name	and Address	•	Area Code and Telephone Numbe	er .	404 873 8794
Name	Patrea L. Pabst, E	isq.			,
Address (line 1)	ARNALL GOLDE	N & GREGOR	Y, LLP		
Address (line 2)	2800 One Atlantic	Септег			
Address (line 3)	1201 West Peachtr	ee Street			
Address (line 4)	Atlanta, GA 3030	9-3450			
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Patrea L. Pabst			Yan L	an et	October 19, 1998
Name of Pe	rson Signing		Signature		Date

#### **ASSIGNMENT**

I, Hugh A. Sampson of 19 Carleon Avenue, Larchmont, New York 10538, in consideration of Ten Dollars and other valuable consideration paid to me by Mt. Sinai School of Medicine of the City of University of New York, a corporation of the state of New York, having its principal place of business at One Gustave L. Levy Place, New York, New York, 10029-6574, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Mt. Sinai of Medicine of the City of University of New York, its successors and assigns, the entire interest for the United States of America and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in "METHODS AND REAGENTS FOR DECREASING CLINICAL REACTION TO ALLERGY" described in U.S. Patent Application Serial No. 09/141,220, filed August 27, 1998, by Gary A. Bannon, A. Wesley Burks Jr., Hugh A. Sampson, and Howard Sosin, in the United States Patent and Trademark Office, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuation, continuation-in-part, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my	hand and seal this		SEPTEMBER	, 1998.
		Hugh A. Sampson	mpeon	
State of New York County of	) )ss.			
Then personally foregoing instrument to 1998.	o be his free act ar	Notary Public, Sta No. 010R5 Quanted in Ou Commission Expri	this day of John to one of New York 1076278 He April 21, 1999	
My Commission expire	es <u>4/21/9</u>	Notary Public		
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11008/6

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

11176 11179 83

Applicants:

Gary A. Bannon, A. Wesley Burks, Hugh Sampson, and Howard Sosing A. Bannon, A. Wesley Burks, Hugh Sampson, and Howard Sosing A. Bannon, A. Wesley Burks, Hugh Sampson, and Howard Sosing A. Bannon, A. Wesley Burks, Hugh Sampson, and Howard Sosing A. Bannon, A. Wesley Burks, Hugh Sampson, and Howard Sosing A. Bannon, A. Wesley Burks, Hugh Sampson, and Howard Sosing A. Bannon, A. Wesley Burks, Hugh Sampson, and Howard Sosing A. Bannon, A. Wesley Burks, Hugh Sampson, and Howard Sosing A. Bannon, A. Wesley Burks, Hugh Sampson, and Howard Sosing A. Bannon, A. Ba

Serial No.:

09/141,220

Group Art Unit:

1641

Filed:

August 27, 1998

Examiner:

Pelley, R.

For:

METHODS AND REAGENTS FOR DECREASING CLINICAL

REACTION TO ALLERGY

U.S. Patent and Trademark Office Assignment Division Box Assignments, CG-4 1213 Jefferson Davis Highway Suite 310 Washington, D.C. 20231

# REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT — PTO ERROR

Sir:

Applicants respectfully request a corrected Notice of Recordation of the Assignment recorded October 22, 1998, at Reel 9539, Frame 0550, in the above-identified application.

The Patent Office incorrectly recorded the name of assignee and the zip code for assignee's address. The correct name for assignee is Mt. Sinai School of Medicine of the <u>City</u> University of New York. The correct zip code is 10029-6574.

To facilitate this request, applicant encloses a copy of the incorrect Notice of Recordation, with the changes marked in red, a copy of Form PTO-1619A, and a copy of the Assignment.

U.S.S.N.: 09/141,220
Filed: August 27, 1998
REQUEST FOR CORRECTED NOTICE OF RECORDATION
OF ASSIGNMENT --- PTO ERROR

Applicants believe no fee is due at this time. However, the Commissioner is authorized to credit any overpayment or charge any other fees due in connection with this matter to Deposit Order Account No. 01-2507. A duplicate of this transmittal is enclosed to facilitate this process.

Respectfully submitted,

Patrea L. Pabst Reg. No. 31,284

Date: April 22, 1999

ARNALL GOLDEN & GREGORY, LLP 2800 One Atlantic Center 1201 West Peachtree Street Atlanta, Georgia 30309-3450 404/873-8794 404/873-8795 (fax) 08/10/1999 4:57: PAGE 001/7 RightFAX

#### AGG

### AKNALL GOLDEN & GREGORY, LLP

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

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TELEPHONE (404) 873-8500 • FACSIMILE (404) 873-8501

SENDER'S DIRECT FAX (404) 873-8103

FROM:

Celia Phillips

DATE:

August 10, 1999

PHONE:

404-870-5723

CLIENT/MATTER#:

11008/6

#### PLEASE DELIVER AS SOON AS POSSIBLE TO:

RECIPIENT

COMPANY

FAX No.

PHONE NO.

1. Dorothy Riley

U.S. Patent and Trademark Office

(703) 308-7124

(703) 308-9723

Assignment Division

Total number of pages including this page: 7. If you do not receive all the pages, please call 404-873-8500.

U.S.S.N. 09/141,220 Filed: August 27, 1998

Dear Ms. Riley:

Responsive to our telephone conversation today, attached is the Notice of Recordation, Recordation Form Cover Sheet, and Assignment in the above-identified application. You will note on the Request for a Corrected Notice of Recordation of Assignment, attached behind the Assignment, that there were two errors to be corrected. The name of assignee was corrected, but the zip code was not.

Please correct the zip code to read "10029-6574".

Thank you.

Celia

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERING THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.